

Instructions. Write all answers clearly on one piece of paper, and put all group members' names on the top of the paper. If you talk, you must do so **very quietly!**

1. What is the result of applying the identity motion to an object such as a square?
2. Give an example of an object which might have a D_5 dihedral symmetry group.
3. What is the difference between a cyclic group and a dihedral group?
4. Name or describe the important property of a selected group of motions so that the Cayley table may be fully filled in?